



# MARSHALL STAR

Serving the Marshall Space Flight Center Community

Oct. 31, 2002

## Marshall Deputy Director Jim Kennedy bids farewell amidst memories, tributes

### New deputy director of Kennedy Space Center

The tributes were funny, serious and loving during a farewell send-off for Marshall Deputy Director Jim Kennedy this past Friday.

A banana split ice cream farewell in the lobby of Bldg. 4200 drew an overflow crowd to wish Kennedy well as he takes the reins as the new deputy director of Kennedy Space Center, Fla.

Kennedy came to work at Marshall in 1969 -- transferring here from Kennedy Space Center where he began his NASA career as a cooperative education student. He has held a variety of positions at Marshall including deputy director and acting director for the former Science and Engineering Directorate as well as being named Marshall's director of the Engineering Directorate. Kennedy has been Marshall's deputy director since January 2001.

## NASA calls on industry, academia for in-space propulsion innovations

by Rick Smith

NASA's Office of Space Science has issued a research announcement, asking academic and industry researchers around the nation to propose new propulsion technology innovations that could revolutionize exploration and scientific study of the solar system.

This announcement is part of a



Marshall Deputy Director Jim Kennedy bids farewell during ceremonies Friday with his wife, Bernice, center, and Marshall Director Art Stephenson, right, looking on.

David King, director of Shuttle Processing at Kennedy Space Center, will be Marshall's new deputy director.

Both appointments are effective Nov. 3.

continuing series of solicitations for advanced propulsion technology development for NASA's In-Space Propulsion program.

This solicitation, part of the NASA Research Announcement 02-OSS-01, seeks proposals in six areas of in-space propulsion research: aerocapture; advanced chemical propulsion; solar electric propul-

See NASA on page 3

Photo by Emmett Given, NASA/Marshall Center



# Freedom to manage ...

**T**he “Freedom to Manage” initiative, or F2M, is an important step in making our work easier.

As NASA Administrator Sean O’Keefe has mentioned many times, we have impediments within the Agency that tend to bog us down, rather than help us to go forward. In Sean O’Keefe’s letter regarding F2M, he states, “The President’s Management Agenda very clearly states that a principal goal of this Administration is to remove barriers to more efficient management, with the expectations of improved accountability and performance.”

Everyone at every Center throughout the Agency has been asked to submit ideas to the F2M Web site as a means of helping Headquarters come up with realistic ways to “simplify and streamline the way NASA does business.”

The F2M program is not a phase, or way to appease the workforce. This is a serious and much needed initiative, but I find that employees are reluctant to submit ideas because they think nothing can really be done to improve things, even though they know we put up with some

## Director’s Corner



pretty poor processes. I know this from having spent a half hour talking to some folks out in our test area. After we talked, the group of about eight employees shared about five ideas worthy of a serious look at change. When I asked why they had not submitted these ideas, they really did not have a good idea why.

I think it is going to take each of us

encouraging one another to take it seriously. NASA will respond to every suggestion offered and reward those who come forward. The Agency is making great strides in eliminating or modifying wasteful processes. For example, on Oct. 28, I announced some Senior Executive Service reappointments here at the Center. Under the old system, I would have had to give headquarters a two-week notice. They never countermanded the changes I sent, but still we had to submit and wait two weeks. An F2M initiative eliminated this non-value added approval step.

We have many things going on at this Center. Let’s get some brainstorming going on. I know you will come up with valuable ideas; and submitting them is only a click away. Simply go to the freedom2manage link on Inside Marshall.

Together, we can improve our workplace and make it more efficient. In doing so, everyone will benefit. And, we will have a more fun place to work, too.

— **Art Stephenson**  
**Marshall Center Director**

## Joint propulsion conference set Abstracts for papers due Wednesday

*Marshall news release*

**M**ore than 1,500 leading scientists, engineers and aerospace industry executives are expected to gather in Huntsville July 20-23 for the 39th annual Joint Propulsion Conference, organized by the American Institute of Aeronautics and Astronautics (AIAA).

Abstracts for papers must be received by Wednesday. Complete submission guidelines and other information can be found at: <http://www.aiaa.org>.

The conference is sponsored by AIAA and the American Society of Mechanical Engineers, the Society of Automotive Engineers and the American Society for Engineering Education. The Marshall Center is co-hosting the event.

Since 2003 marks the 100th anniversary of powered flight, the conference theme, “Powered Flight — The Next Century,” challenges participants look ahead at how the propulsion industry can meet the needs of science, industry, government and commerce during the next 100 years.

The four-day conference will be held in the Von Braun Center in Huntsville. Representatives from more than 300 organizations, including NASA and Department of Defense contractors, are expected to attend the conference.



Photo by Terry Leibold, NASA/Marshall Center

### ***It won’t hurt a bit***

Sharon Chunn braces herself for the flu shot being administered by Mary Jones. Marshall team members had two opportunities this past week to receive free flu shots.

**For voting leave guidelines, see page 6.**



# NASA

*Continued from page 1*

sion; space-based tether propulsion; and plasma sail and solar sail technologies.

Each technology identified for development is part of the In-Space Propulsion Program, managed in the Office of Space Sciences at NASA Headquarters in Washington, D.C. Paul Wercinski serves as program executive at NASA Headquarters for the program, which is implemented by the Marshall Center.

Research in these areas is being solicited as part of the In-Space Propulsion Technologies "Cycle 2" amendment to NRA 02-OSS-01. Total anticipated budget in fiscal year 2003 for proposed Cycle 2 work in these areas is approximately \$14 million, with about \$11 million in additional funding possible in fiscal year 2004, contingent on budget approval.

"Our goal is to make deep-space exploration more practical, increasing the value and duration of scientific study conducted in space and at our neighboring worlds," said Les Johnson, In-Space Transportation manager at the Marshall Center.

"It's not our intent to develop flight hardware geared exclusively to one-shot missions," Johnson said. "Instead, we are working to develop cost-effective propulsion technologies that will support multiple missions, enabling us to send spacecraft on longer, more useful voyages — and in many cases to destinations that were previously unreachable using traditional propulsion systems."

Technical proposals for the In-Space Propulsion element of the research announcement will be due in December 2002.

"NASA Headquarters will assemble a panel of independent experts to evaluate the proposals and recommend selections to the NASA HQ selection official," Wercinski said.

NASA expects to award multiple contracts in each technology area.

Complete Cycle 2 proposal submission information and a breakout of funding for each technology area is available at: [http://research.hq.nasa.gov/code\\_s/nra/current/NRA-02-OSS-01/index.html](http://research.hq.nasa.gov/code_s/nra/current/NRA-02-OSS-01/index.html)

Cycle 1 of NRA-02-OSS-01 concluded its competition period in August with the selection of 15 award recipients to conduct research and development in four key in-space propulsion technology areas.

## *More about propulsion technology projects*

Aerocapture uses a planet's atmosphere rather than an onboard propulsion system to slow a spacecraft. The subsequent fuel load reduction allows for a smaller, less costly launch vehicle, a larger scientific payload and a quicker start to a mission's science phase — providing a higher return on NASA's investment. It enables long-term orbital missions, rather than planetary fly-bys.

NASA is investigating promising new chemical fuels, including non-toxic monopropellants and advanced hydrocarbons, as well as new means of improving chemical fuel efficiency through development of lightweight components, cryogenic fluid management technologies and other improvements to fuel storage and delivery systems.

Solar electric propulsion systems use solar arrays to convert the Sun's energy into electrical power to accelerate on-board fuel and thus generate thrust. Compact, kilowatt-strength solar electric propulsion systems could reduce onboard fuel loads -- making room for larger mission payloads. Higher-performance solar electric propulsion systems could be used to place satellites into high Earth orbit and to send science missions to the outer planets.

Tether propulsion is a propellant-free technology. The concept of momentum exchange/electrodynamic reboost, or "MXER" propulsion, combines two technologies: electrodynamic tether

propulsion, or the generation of propulsive power by deploying an electrically conductive wire in a magnetic field; and momentum exchange, or the transfer of one object's orbital momentum and energy to another.

Thin, reflective solar sails could be propelled through space by sunlight, much as wind pushes sailboats here on Earth. This propellantless alternative eliminates the need for heavy, on-board propulsion systems, allowing spacecraft to travel quickly to distant worlds at reduced costs.

Another promising concept is the plasma sail -- a huge magnetic bubble generated by an interplanetary vehicle, which is pushed at unprecedented speeds by the solar wind. Plasma sail technologies could halve conventional fuel-propelled trip times to the outer planets.

*The writer, employed by ASRI, supports the Media Relations Department.*



Marshall Imaging Services

### **Who am I?**

I went to high school in Dugway, Utah, where, among other activities, I was class president, sports editor of the school newspaper, captain of the football team and basketball manager before I graduated in 1956. Here I am taking a study break between classes. Oh, I almost forgot, one of my classmates, Faye Dunaway, became a famous actress. To see who I am, go to page 6.



# 'Working together for a safe and healthy working

**O**n Oct. 23, the Marshall Center had a "stand-down" day to promote safety among employees.

Activities began at 7 a.m. and continued until 3 p.m. Keynote speaker Dr. Joseph L. Mancusi, a clinical psychologist and president of the Center for Organizational Excellence in Sterling, Va., told employees the "secrets" that allow some organizations to be more aware of safety, health and the environment.

Activities included workshops, exhibits, giveaways, entertainment and astronauts Tim Kopra and Mark Kelly signing autographs.

Safety awards also were awarded to individuals and Marshall teams that drew attention to safety concerns and/or demonstrated safe work practices throughout the year.



One of the Safety Day vendors shows his company's wares to Richard Cooper, center, and Sean McMyler, right, in the lobby of Bldg. 4200.

Photos by Dennis Olive and Doug Stoffer, NASA/Marshall Center



Marshall team members line up for lunch in the Bldg. 4200 courtyard.



Dr. Joseph Mancusi gets animated during his message to employees about how to handle stress.



John Lynch, right, thanks astronaut Mark Kelly for autographing a poster in the Bldg. 4203 lobby.



Astronaut Tim Kopra signs a poster for Brenda Anderson.

# environment' theme of Marshall Safety Day

## 2002 Safety Day Awards

### Individual Awards

Jim J. Lindsay, ED20  
Kathryn Hayden, ED43  
Jeff Richeson, Cortez III (supporting TD40)  
John Webster, LB&B  
Linda L. Medal, AD02  
Karen M. Forsyth, AD01  
Lisa Adkins, AD40  
Terry K. Pendergrass, SD43  
Bobby Rains, QS10  
Brad Engel, HEI  
Flavious D. Dutton, FD21  
Tina M. Smith, CD20

### Management Awards

Mitchell L. Britt, Teledyne Brown Engineering

In recognition of outstanding safety leadership and management of the Propellants, Pressurants, and Calibration Services Contract resulting in more than 10 years and 1.5 million man-hours of work at the Marshall Center without a lost-time accident.

### Team Awards

MP/Shuttle Projects Office

Alex McCool  
George Hopson  
Michael Rudolphi  
Jerry Smelser  
David Martin  
Jolene Martin

In recognition of dedicated commitment to personnel and flight safety.

LB&B (Support contractor for TD70)

Larry Hice  
Michael James

In recognition of proactive efforts in averting a potential costly mishap to the ringer crane.



Sharon Hancock entertains the Safety Day crowd with a song.



Amanda Goodson, director of Marshall's Safety and Mission Assurance Office, presents door prizes during activities in Morris Auditorium.



# Voting leave guidelines

From the Human Resources Department

**A**s a general rule, where polls are not open at least three hours either before or after an employee's regular hours of work, an amount of excused leave, which will permit reporting to work three hours after the polls open, or leaving work three hours before the polls close, whichever requires the lesser amount of time off, may be granted.

For example, if an employee's scheduled work hours are from 8 a.m.-4:30 p.m. and the polls open at 8 a.m. and close at 7 p.m., voting leave may be granted commencing at 4 p.m.

If an employee's scheduled tour was from 7 a.m.-3:30 p.m., no excused absence for voting should be granted.



Photo by Terry Leibold, NASA/Marshall Center

## Lunar Roving Vehicle gets new home

One of the engineering test models used to develop the Lunar Roving Vehicle at the Marshall Center is moved toward its new home in the Heritage Gallery in Bldg. 4200 last week. Helping move the space artifact are, from left, Dewey Brown, Barry Howell, Randy Howell and Russ Thatcher. Lunar Roving Vehicles were used on the last three Apollo lunar landing missions.



## "NASA EXCHANGE ANNUAL NUT SALE"

### Order Form

NAME: \_\_\_\_\_ Office Symbol: \_\_\_\_\_  
Office Phone: \_\_\_\_\_ Email Address: \_\_\_\_\_

#### SPECIFY QUANTITY AND TOTAL PRICE

Product (16 oz packages):	QUANTITY	TOTAL PRICE
Blanched Slivered Almonds @\$2.50	_____	\$ _____
Cashews @\$5.50	_____	\$ _____
Chocolate Covered Pecans @\$7.00	_____	\$ _____
Crunchy Praline Pecans @\$7.00	_____	\$ _____
English Walnuts @\$4.00	_____	\$ _____
Natural Almonds @\$3.50	_____	\$ _____
Pecan Halves @\$5.50	_____	\$ _____
Pistachios @\$3.75	_____	\$ _____
Raw Peanuts @\$2.00	_____	\$ _____
Roasted & Salted Pecans @\$7.00	_____	\$ _____
Whole Roasted Salted Almonds @\$3.50	_____	\$ _____
White Chocolate Pecans @\$7.00	_____	\$ _____
<b>Totals</b>		\$ _____

\*\*\*\*PAYMENT MUST ACCOMPANY ORDER\*\*\*\*

Make Checks Payable to: NASA Exchange - MSFC

DEADLINE FOR ORDERING IS: **NOVEMBER 7, 2002**

PLEASE MAIL CHECK & ORDER TO: CDHXX, ATTN: CANDY BAILEY, NASA EXCHANGE SPACE SHOP, BLDG. 4203. Payment may be made by Cash, VISA, MasterCard, Discover, or American Express by taking your order form to the NASA Exchange Space Shop located in Building 4203.

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

MSFC One-Time Form 104 (October 2002)

## Obituaries

**Green, Claude E., 72**, of Huntsville, died Oct. 6. Burial was in Maple Hill Cemetery with Dr. William Cockrill officiating and Laughlin Service Funeral Home directing.

Green retired from the Marshall Center in 1989 as a supervisor, AST, aerospace engineer in flight structures. He was a Korean War veteran and received the Purple Heart and the Silver Star.

He is survived by his wife, Elissa Green; one daughter, Elissa H. Green of Huntsville; and one grandson.



Marshall Imaging Services

## Who am I?

Dan Ahlander has spent 42 years with Protective Services at the Marshall Center working in security. He is married to the former Anne Eden, also retired from Marshall, and they have three children, 10 grandchildren and two great-grandchildren.

"Who am I?" is assembled by Michael Mc Lean of the Internal Relations and Communications Department.

# Center Announcements

## Center Director All-Hands Meeting is Wednesday

**A** Center Director's All-Hands Meeting will be at 10 a.m. Nov. 6 in Bldg. 4200, Morris Auditorium. All Marshall team members are encouraged to attend. David King, Marshall's new deputy director, will be introduced.

## Dial 4-4PAY for payroll assistance

**M**arshall employees can now receive payroll assistance by dialing 4-4PAY. Questions on WebTADS, pay and leave will be answered. Employees also can e-mail questions to payroll\_office@msfc.nasa.gov or type "Payroll" in the "To" field of their e-mail application.

## ASEM meeting is Friday

**T**he Tennessee Valley Section of the American Society for Engineering Management will meet at 5:30 p.m. Friday at the Fogcutter restaurant at 3805 University Drive in Huntsville. Alex Hardy, director of Cummings Research Park, will speak at 7 p.m. Cost is \$20. E-mail ken.sullivan@rdec.redstone.army.mil to attend.

## Export control classes available

**C**lasses for the six export control processes at Marshall will be opened to both civil servants and contractor personnel. For a complete schedule, go to "Inside Marshall."

## AIAA paper airplane contest set for Friday

**T**he American Institute of Aeronautics and Astronautics will hold its ninth annual Great Paper Airplane Contest at 3:30 p.m. Friday, at the University of Alabama in Huntsville University Center Exhibit Hall. The event is free and open to ages 7 and under, 8-13, 14-17, 18-21, and for contestants over 21. Categories include aerobatics, time-of-flight, distance, accuracy, and artistic. Awards will be given out at 5:15 p.m. For more information, call Steve Noneman at 544-2048.

## Technology program issues call for proposals

**T**he Technology Investment Projects (TIPs) Program, managed by Marshall's Technology Transfer Department, is soliciting proposals for fiscal year 2003 funding. The program provides support for in-house new, and emerging, technologies. Participation is only open to civil servants. Proposals are due to the Technology Transfer Department TIPs program coordinator, Susan Whitfield, by Nov. 15. For more information, go to <http://techtran.msfc.nasa.gov/CDDF/techtips.html>.

## Maxiflex tour training session open

**E**mployees considering using the Maxiflex tour option will have another opportunity for a special training session provided by the Payroll Office. The session is from 1-2 p.m. Nov. 20. For more information, go to [http://hrd.msfc.nasa.gov/maxiflex\\_info.html](http://hrd.msfc.nasa.gov/maxiflex_info.html) or call Pam Vaughn at 544-9372.

## Source evaluation class rescheduled

**T**he Source Evaluation Board Training Class has been rescheduled for Jan. 6-9, 2003. Participants who have previously enrolled are already on the roster. Anyone interested in taking this course should sign up immediately via AdminSTAR.

## Propulsion symposium set for Dec. 10-11

**A** Propulsion Engineering Research Center symposium on propulsion will be Dec. 10-11 at Penn State University in State College, Pa. Registration must be completed by Dec. 4. For more information, call Dr. Roger D. Woodward at 814-863-6289.

## Documentation Repository server upgraded

**T**he Documentation Repository server hardware has changed its name from "msfcmr03" to "repository." This will change the URL for the repository home page, the MSFC Directives Master List,

Technical Standards Library and the Scientific and Technical Information Resources. All bookmarks should be updated. The old pages will remain online for 30 days and automatically forward users to the new pages. For assistance, call 544-HELP, Option 7.

## Shoe discounts available Friday-Sunday

**T**he NASA Exchange is sponsoring a Shoe Carnival Discount Days event for all NASA employees, retirees and contractors. A 30-percent discount off the lowest price on a box of shoes is available by showing a NASA badge at the Shoe Carnival stores in Decatur and Huntsville. For more information, call Candy Bailey at 544-7565.

## American Education Week luncheon is Nov. 18

**A** luncheon sponsored the American Education Week committee will be at 11 a.m. Nov. 18 at the Huntsville Hilton honoring Teachers of the Year, Golden Apple Teachers and Blue Ribbon Schools. Dr. John T. Gibson, president of Alabama A&M University will speak. Luncheon cost is \$16. Tickets are available in Bldg. 4200, Room 210 and must be purchased by Monday. For more information, call Beth Ingram at 544-0774.

## ICMMI class set Nov. 18-21

**A** three-day Introduction to the Capability Maturity Model Integrated is open to civil servants. The course is Nov. 18-21 at the Jet Propulsion Laboratory in Pasadena, Calif. Interested participants should fill out an APPL nomination form and submit it to Tina Smith in CD20. For more information, call Jackie Clarke at 703-820-4900, ext. 111.

## Fall Fluids Workshop registration open

**A** Fall Fluids Workshop is Nov. 19-21 at the Marshall Center. Registration is due by Tuesday. For information, call Josh Wilson at 544-0714. The workshop is sponsored by Marshall's Applied Fluid Dynamics Analysis Group.

# Employee Ads

## Miscellaneous

- ★ Maytag dryer, electric, white, \$99; Troy-Bilt tiller, Econ-House electric start w/engine protector & plow. 881-6040
- ★ Exercise machine, Voit Gravity Rider, no cables, weights, bands, uses bodyweight for resistance, \$30. 772-7367
- ★ Two Alabama vs. Mississippi State football tickets, Nov. 9, \$60. 256-539-7857
- ★ GE refrigerator/freezer, 20.6 cu. ft., icemaker, black, 2 years old, \$350. 858-5552
- ★ Gibson chest freezer, 10.3 cu. ft., \$50; Briggs & Stratton single seat go-cart, \$275. 882-0461
- ★ Nordic Flex-Gold w/power meter, butterfly, manual and operation video, \$400 obo. 837-6797
- ★ Philips dual deck CD recorder, cables, manual, remote included, \$175. 655-3178
- ★ Bunk bed w/mattresses, queen on bottom, twin on top. 722-9989
- ★ Kenmore upright non-frost free freezer, 5'; Kenmore full-sized stacking refrigerator/freezer, both for \$180. 882-1880
- ★ Dept. 56 Snow Village houses, accessories, numerous pieces, most retired, below green book value. 837-0037
- ★ Lady's lamb jacket, medium brown, size 10, never worn, \$225. 256-539-1316
- ★ Robi Trimmer 700R, 17", used once, \$50. 828-9099
- ★ Tires: five, 215/70R15 Michelin on Lincoln rims; four 215/70R15 Michelin, on steel rims. 539-4117
- ★ 2000 Suzuki motorcycle, Bandit, low mileage, new tires, \$5,200. 535-0829/day or 539-4117/after 5 p.m.
- ★ 2002 Kawaski Nomad 1500cc, 7K miles, many extras, \$11,000 firm. 828-1640
- ★ Sport runabout boat, 14' inflatable, 40HP, 2,000 lb. payload, rigid floorboards, includes extras, \$2,200. 729-8020
- ★ 2001 Honda Shadow VLX600 Deluxe motorcycle, 3700 miles, windshield, luggage rack, saddle bags, \$4,150. 461-9662
- ★ Auburn/Louisiana Monroe football tickets, two tickets, \$50 for pair. 536-6436
- ★ Grizzly G1029 dust collector system with accessories, \$350. 880-9754
- ★ ECHO MIA 24bit/96kHz PC sound card, 2 analog input channels, never used. \$180. 828-3128
- ★ Ariens 8HP riding lawn mower w/mulching kit, 3 seasons old, \$499. 971-9710/656-0461
- ★ 1981 Honda CR80 dirt bike, new knobby tires, repair manual, \$500. 216-8868
- ★ Two twin-sized beds, mattresses, bedspreads w/ two matching cushions, \$250. 533-4824
- ★ Heavy duty wheelchair, 350 lb. Capacity, 22" width, \$700. 256-852-5314
- ★ Violins: full, three-quarter, & half sizes; new, old,

- antique; reasonably priced. 534-8186
- ★ Spotting scope for rifle shooting on known distance range; 7.62x39mm ammunition. 881-6040
- ★ Sharpe color TV, 19", \$25; Sony TV stand, \$25; Harmon/Kardon receiver, \$70. 828-1441
- ★ Girls LEI flare jeans, size 10, dark blue, slightly worn, \$10 each. 881-4879
- ★ One carat solitaire, \$1,700; band, \$50; \_ carat solitaire, \$900; guard, \$100. 881-4879
- ★ Para-ordinance P-14 pistol, 45ACP, \$675; Bach Stradivarius trumpet, \$1,300; Epiphone Stratocaster guitar, \$100. 851-8085
- ★ Honda Express scooter, mid-80's model, 1,900 miles, \$300; Chocolate Lab, female, 18-months old, \$50. 325-6000
- ★ Alabama vs. MSU tickets, Section U3-P, Row 21, two @ \$50 each. 655-3065
- ★ Murray rear engine riding mower, rebuilt 10HP engine, \$100 obo. 828-5805
- ★ Inflatable bounce houses w/compressors, colors-blue/red/yellow; 11'x11', \$1,200 obo; 13'x15', \$1,500 obo. 256-230-6909
- ★ MECO BBQ grill, electric, cart-style, new in box, reasonable offer. 379-4496 after 5 p.m.
- ★ Two bar stools, brown vinyl, swivel-seat, wicker back, metal bottoms, adjustable height, \$15 each. 859-0729
- ★ Lionel diesels, O/O27, \$110. AHM HO 0-8-0 steam locomotive/tender w/orig. box/insert, \$55. 306-0700

## Vehicles

- ★ 1996 Toyota Avalon, loaded, leather, sunroof, well-maintained, 174K miles, \$6,800 obo. 728-5768 after 5 p.m.
- ★ 1997 Ford Expedition XLT, black, 4x4, rear air, cloth seats, one-owner, 145K miles. 565-8301
- ★ 1995 Pontiac GrandAm SE, red, 4-door, tilt/cruise, \$3,500 obo. 256-726-8686
- ★ 1991 Jeep Cherokee Laredo, 4.0L, 2WD, one-owner, towing pkg., \$4,300. 883-1459
- ★ 1967 Plymouth Belvedere, yellow, 4-door, not running, best offer. 881-4859/Peters
- ★ 1985 Dodge Caravan, runs well, must sell, \$1,000 obo. 233-4580/lv. msg.
- ★ 1992 Lincoln Towncar, \$3,500. 722-9989
- ★ 1998 Ford Taurus SE, power windows/locks, dark green, 94K miles, \$5,500. 772-6769
- ★ 1995 Oldsmobile Aurora, 4-door, loaded, 6 pack CD, heated leather, green, 137K miles, \$2,900. 256-446-6310
- ★ 1993 Lexus GS300, maroon/tan leather, 140K miles, CD changer, \$9,000. 694-5911
- ★ 1999 Honda Accord EX, V6, green, auto, leather, loaded, new tires, 75K miles, \$15,000. 337-1717
- ★ 1995 Volvo station wagon, S80, low mileage, \$7,500. 882-9361
- ★ 1991 Mitsubishi 3000 GTSL, 85K miles, red, 5-

- speed, sunroof, CD/cassette player, \$9,000. 777-3569/lv. msg.
- ★ 1997 Jeep Wrangler Sport, 6-cyl., 5-speed, 4x4, 79K miles, a/c, green w/tan soft-top, \$10,300. 882-7350
- ★ 1991 Saturn Coupe, 107K miles, original owner, 5-speed manual, Sony cassette, asking \$1,500. 230-2521
- ★ 1977 Mercedes 300D Classic, original yellow paint, ivory interior, 164K miles. 426-5473
- ★ 1992 Honda LX, \$1,500; 1963 Chevrolet truck, \$700; 1964 SS Impala and two convertibles. 256-316-1880
- ★ 1986 Mazda B2600 SE-5 truck, 4x4, toolbox, 104.5K miles, white, 5-speed, \$2,900. 773-1211/Hartselle
- ★ 1991 Chevy Lumina Euro, 3.0L/V6, highway miles, maintenance records, \$2,200 obo. 961-1220
- ★ 1996 Millenia, moonroof, Alpine CD changer, 83K miles, champagne, all-power, \$7,200. 880-9025
- ★ 1993 Mazda MX6 LS, V6, 5-speed, all-power, spoiler, Alpine 6-CD/tape, a/c, 89K miles, \$4,500. 518-9020
- ★ 1998 Nissan Altima GXE, 70K miles, 5-speed, sunroof, spoiler, CD player, asking \$8,200. 882-1779

## Wanted

- ★ SCSI card with PCI & 25-pin connectors to adapt old scanner for use w/new Dell computer. 881-6040 (This ad was erroneously placed in the "for sale" items last week.)
- ★ Used clarinet in good condition. 536-8223
- ★ Partner(s) interested in hiking Georgia portion of Appalachian Trail in 2003. 539-0042
- ★ Bunn coffeemaker and/or piccolo trumpet. 883-2757
- ★ Donated computers, P2 and higher for children's software at church daycare. 536-0783/539-5353
- ★ Student desk in good condition for Girl's room, prefer white but will consider other. 895-9520
- ★ "This New Ocean..." Project Mercury History hard-cover, NASA-SP-4201. 922-1424

## Free

- ★ To good home, black Huskey, 7 months old, neutered w/shots. 256-653-2820

## Found

- ★ Keys in ladies room, Bldg. 4203. 544-3623 to claim/identify
- ★ Book, "The 17 Indisputable Laws of Teamwork," by John C. Maxwell, Bldg. 4200 parking lot. 544-0016/Gray Marsee
- ★ "A most sincere "Thank You" to person who turned in black bag Oct. 23, Bldg. 4203."

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